

WORKING AGENDA-- Optics Workshop

Tuesday July 30, 2013 APS Auditorium		
9:00	Registration Opens	
10:00	Welcome/Opening	Linda Young, Director, X-ray Science Division
10:10	General Information	Lahsen Assoufid, Chair, Optics Workshop
Session 1: Optics Overviews (Chair: Dennis Mills, APS)		
10:15	SPring-8	Haruhiko Ohashi, Spring-8
10:40	ESRF	Ray Barrett, ESRF
11:05	PETRA-III	Horst Schulte-Schrepping, PETRA-III
11:30	APS	Lahsen Assoufid, APS
11:55	Lunch	
Session 2: Crystal Optics-1 (Chair: Shunji Goto, SPring-8)		
13:15	Crystal Optics at ESRF	Jürgen Härtwig, ESRF
13:40	High-resolution Crystal Optics R&D at APS	Xianrong Huang, APS
14:05	High-resolution Crystal Optics	Daisuke Ishikawa, JASRI
14:30	Analyzer Crystal Development at the ESRF	Roberto Verbeni, ESRF
14:55	Coffee Break	
Session 3: Thin Film (Chair: Al Macrander, APS)		
15:15	Thin-film Optics R&D at the APS and Deposition Laboratory Upgrade Plans	Ray Conley, APS
15:40	News from the ESRF Multilayer Facility	Christian Morawe, ESRF
16:05	K-B Mirror Fabrication at the APS Using Thin-film Coating	Bing Shi, APS
16:30	Optics Facilities Tour	
18:00	No-host Dinner	

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Wednesday July 31, 2013 APS Bldg. 401, Rm. A1100		
8:00	Registration Opens, Continental Breakfast in APS Gallery	
Session 4: Crystal Optics-2 (Chair: Horst Schulte-Schrepping, PETRA-III)		
9:00	Topics on Berry Phase Approach	Yoshiki Kohmura, RIKEN
9:25	Stability Issues at Monochromators and Mirrors	Ilya Sergeev, PETRA-III
9:50	High-heat-load Monochromator	Hiroshi Yamazaki, JASRI
10:15	Coffee Break, APS Gallery	
10:35	Updates on High-heat-load Cryo-cooled Crystal Systems	Ralph Döhrmann, PETRA-III
11:00	Recent Developments in Diamond Crystal Optics for XFEL and Synchrotron Radiation Sources	Yuri Shvydko, APS
Session 5: Simulation, Modeling and Coherence (Chair: Christian Morawe-ESRF)		
11:25	Optics Modeling and Simulation at ESRF	M. Sanchez del Rio, ESRF
11:50	Optics Modeling and Simulation at APS	Xianbo Shi, APS
12:15	Lunch, APS Gallery	
Session 6: Optics Testing (Chair: Haruhiko Ohashi, JASRI)		
13:30	Status of 1-BM Optics & Detector Test Beamline	Al Macrander, APS
13:50	Challenges in Metrology at the ESRF	Amparo Vivo, ESRF
14:15	Metrology at SPring-8	Yasunori Senba, JASRI
14:40	Optical and at-Wavelength Metrology at APS	Lahsen Assoufid, APS
15:05	Coffee Break, APS Gallery	
Session 7: Nanofocusing Optics (Chair: Ray Barrett, ESRF)		
15:25	Zone Plate Development at the APS: Status and Plans	Stefan Vogt, APS
15:40	Deformable Mirror and Stitching Interferometry for Nano-focusing	Hirokatsu Yumoto, JASRI
16:05	Performance of Micro/Nano-focusing K-B Mirrors under White and Pink Beams	Wenjun Liu, APS
16:30	X-ray Refractive Optics: Status and Challenges	Anatoly Snigirev, ESRF

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16:55	Closing
17:10	Adjourn
18:00	Welcome Reception, APS Gallery (by invitation only)